

SC

JCWSCS 14 JAN 2004

JAN-13-2004 14:10

HEWLETT PACKARD LGL FCOLL

970 898 7247

P.01

IN THE
UNITED STATES PATENT AND TRADEMARK OFFICE

INVENTOR(S): Eric Gouriou et al

ATTY. DOCKET NO.: 200206015-1

SERIAL NO: 10/608,179

EXAMINER: N/A

FILED: 06/27/2003

ART UNIT: N/A

TITLE: **SYSTEM AND METHOD FOR PROCESSING BREAKPOINT EVENTS IN
A CHILD PROCESS GENERATED BY A PARENT PROCESS (AS
AMENDED)**

REQUEST FOR CORRECTED FILING RECEIPT

COMMISSIONER FOR PATENTS

OFFICE OF INITIAL PATENT EXAMINATION'S CUSTOMER SERVICE CENTER
WASHINGTON, D.C. 20231

SIR/MADAM:

In response to the attached Filing Receipt referencing the above case, please note the following corrections:

The title now reads: **SYSTEM AND METHOD FOR PROCESSING BREAKPOINT
EVENTS IN A CHILD PROCESS GENERATED BY A PARENT PROCESS BEING
MONITORED UNDER AN INSTRUMENTATION SCHEME**

A preliminary amendment was filed on September 22, 2003 requesting that the title be amended to read: **SYSTEM AND METHOD FOR PROCESSING BREAKPOINT
EVENTS IN A CHILD PROCESS GENERATED BY A PARENT PROCESS**

Please forward a new filing receipt deleting the words "being monitored under an instrumentation scheme".

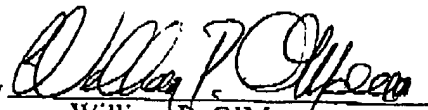
Enclosed is a copy of the incorrect filing receipt as received, as well as a copy of the pertinent page from the preliminary amendment and the stamped postcard.

Respectfully submitted,

Eric Gourious et al

I hereby certify that this correspondence consisting of 5 pages is being sent via facsimile Transmission to the United States Patent Office at (703) 746-9195 on January 13, 2004.

Signature: 
Donna Kraft

By 
William P. O'Meara
Attorney/Agent for Applicants
Reg. No.: 29,962
Hewlett-Packard Company
Legal Dept. MS 79
3404 E. Harmony Road
Fort Collins, CO 80528-9599
(970) 898-7917



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
 United States Patent and Trademark Office
 Address: COMMISSIONER FOR PATENTS
 P.O. Box 1450
 Alexandria, Virginia 22313-1450
 www.uspto.gov

APPL NO.	FILING OR 371 (c) DATE	ART UNIT	FIL FEE RECD	ATTY DOCKET NO	DRAWINGS	TOT CLMS	IND CLMS
10/608,179	08/27/2003	2122	984	200206015-1	8	19	4

HEWLETT-PACKARD COMPANY
 Intellectual Property Administration
 P.O. Box 272400
 Fort Collins, CO 80527-2400

RECEIVED

DEC 18 2003

HP LEGAL
IPA

CONFIRMATION NO. 8205

UPDATED FILING RECEIPT

 0C000000011447778

Date Mailed: 12/09/2003

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Filing Receipt Corrections, facsimile number 703-746-9195. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

Eric Gouriou, Sunnyvale, CA; —
 Robert Hundt, Santa Clara, CA; —
 Sujoy Saraswati, Bangalore, INDIA; —

Domestic Priority data as claimed by applicant

Foreign Applications

If Required, Foreign Filing License Granted: 09/23/2003

Projected Publication Date: 12/30/2004

Non-Publication Request: No

Early Publication Request: No

Title

System and method for processing breakpoint events in a child process generated by a parent process being monitored under an instrumentation scheme—

Preliminary Class

717

**LICENSE FOR FOREIGN FILING UNDER
Title 35, United States Code, Section 184
Title 37, Code of Federal Regulations, 5.11 & 5.15**

GRANTED

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Office of Export Administration, Department of Commerce (15 CFR 370.10 (j)); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

NOT GRANTED

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).

In re Eric Gouirion et al
10/608,330

AMENDMENTS

IN THE SPECIFICATION:

Please replace the title with the following amended title.

**SYSTEM AND METHOD FOR PROCESSING BREAKPOINT EVENTS IN
A CHILD PROCESS GENERATED BY A PARENT PROCESS BEING
MONITORED UNDER AN INSTRUMENTATION SCHEME**

Please replace paragraph [0002] with the following amended paragraph.

[0037] While binary instrumentation leads to more precise results, the accuracy comes at some cost to the run-time performance of the instrumented program. Because the binary code of a program is modified, all interactions with the processor and the operating system can change significantly. For example, additional instructions and changes to a program's cache and paging behaviors can cause significant run-time performance degradation ~~increases from a few percent to 400%~~. Consequently, binary instrumentation is considered intrusive.

Please replace paragraph [0003] with the following amended paragraph.

[0038] Dynamic binary instrumentation allows program instructions to be changed on-the-fly and leads to a whole class of more precise run-time monitoring results. Unlike static binary instrumentation techniques that are applied over an entire program prior to execution of the program, ~~dynamic~~ dynamic binary instrumentation is performed at run-time of a program and only instruments those portions of an executable that are executed. Consequently, dynamic binary instrumentation techniques can significantly reduce the overhead imposed by the instrumentation process.

Please replace paragraph [0005] with the following amended paragraph.

[0005] A basic reason for the difficulty in testing the correctness of a program is that program behavior largely depends on the data on which the program operates and, in

Serial No.: 10/608,179

Patent No.:

Applicant: Eric Gouriou et al.

Title: System and Method for Processing Breakpoint Events in a Child Process
Generated by a Parent Process

Docket No.: 200205015-1

EM No.:

Filed: June 27, 2003

Issued:

C/M Date: 09/16/03

Due Date: _____

**PATENT AND TRADEMARK OFFICE
STAMP HEREON ACKNOWLEDGES
RECEIPT OF THE BELOW IDENTIFIED
PAPERS:**

Cert. of Mailing: ☒ Regular US Mail
☐ Express Mail

Fees ☐ \$0.00Pymt
Form☐ Check☐ Dep. Acct: 08-2025☐ Credit Card Paym't Form☐ Fee Transmittal Page

- ☐ RCE Application Transmittal Pg.
- ☐ Missing Parts Response
- ☐ Copy of Missing Parts Notice
- ☐ Resp. Incomplete Application Papers
- ☐ Copy - Not Incomplete Appl. Papers
- ☐ Declaration & Power of Attorney
- ☐ Preliminary Amendment
- ☐ Small Entity Status Claimed
- ☐ IDS/Form 1449
- ☐ Cited Reference(s) ()
- ☐ Assignment/Assign't Cover Sheet
- ☐ Terminal Disclaimer
- ☒ Amendment Transmittal Page
- ☒ Preliminary Amendment
 - ☒ Non-Final ☐ Final
 - ☐ After Not. Allow ☐ Unentered
- ☐ Petition for Extension of Time to:
- ☐ Claim of Priority & Sub. Cert. Copy of Foreign Application
- ☒ Other: Substitute Specification (pgs 1-21 and 26)
- Other: Formal Drawings (pgs 1-8) / Annotated Drawings (pgs. 1-8)

Person Mailing: LK

Responsible Atty: SAH/RAB

USPTO STAMP



- ☐ Request to Rescind Non-Pub.
- ☐ Petition to Make Special
- ☐ Status Inquiry (in duplicate)
- ☐ Notice of Appeal
- ☐ Appeal Brief (in Triplicate)
- ☐ Request for Refund
- ☐ Request for Correction F/R
- ☐ Notice of Continuation Applic.
- ☐ Issue Fee Trx. ☐ In Dupl.
- ☐ Sheets of Drawings
 - ☐ Formal ☐ Informal
- ☐ Letter/Trx. To Draftsman
- ☐ Prior to NOA ☐ W/I NOA
- ☐ Request for Cert. Of Correct.
- ☐ Certificate of Correction x 2
- ☐ Maintenance Fee Transmittal
 - ☐ 3.5 ☐ 7.5 ☐ 11.5
 - ☐ in duplicate